

# LAB SERIES OZONE GENERATORS

## Features

- Tabletop Design
- Front Panel Mounted Controls and Connections
- Plug-and-Play Operation
- Precision Flow Meter
- Air-Cooled Ceramic and Titanium Reactor Cell
- Over-Temperature Protection

## Controls

- Variable Output Control
- Feed Gas Flow Control
- Reactor Pressure Control
- Reactor Pressure Gauge
- Power Feed Back Reference Meter
- LED Visual Ozone Indicator

## Flexible

The LAB Series ozone generators are ideally suited to ozone application development in the laboratory setting with a broad range of ozone output. LAB Series units are compact and light weight with output ranges from 10 to 60 grams per hour and ozone concentrations to 8% by weight.

## Adaptable

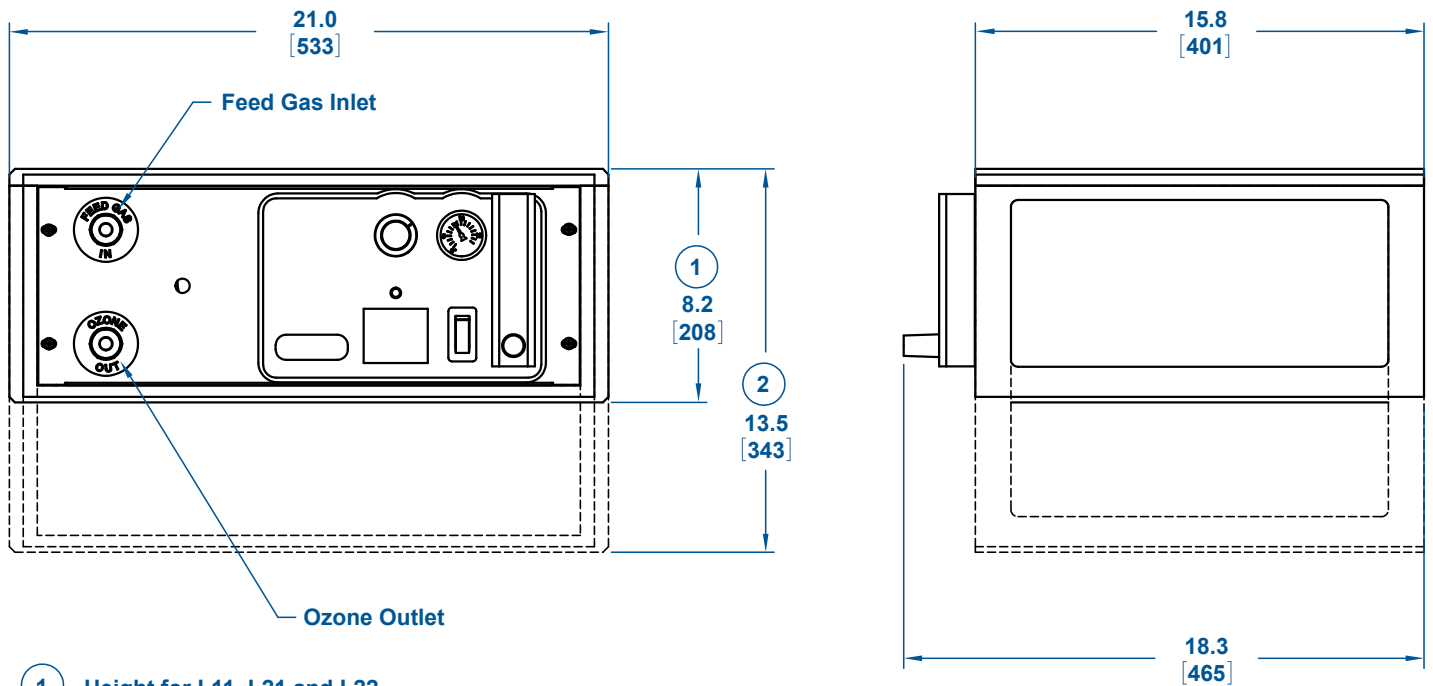
All controls and connections are mounted on the front panel for quick and easy set up and operation. The LAB Series ozone generators are completely adjustable and readily adapt to continuously changing applications and ozone requirements in the lab environment. The air-cooled LAB Series units provide years of reliable service.



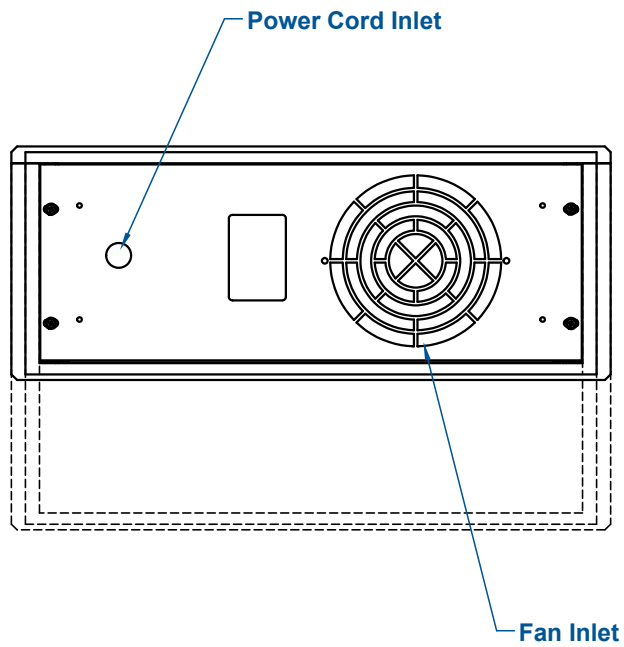
Model: L23/24

# LAB SERIES OZONE GENERATORS

Model: R-LAB111 (115V)



Dimensions: inches [mm]



# LAB SERIES OZONE GENERATORS

## Technical Specifications

| Model/<br>Part Number                      | Max. Ozone Production    | Max. Ozone Concentration | Max. Reactor Pressure | Feed Gas Flow Range | Power Consumption | Air Cooling   | Feed Gas Inlet Fitting | Ozone Outlet Fitting   | Dimensions (HxWxD)              | Weight      |
|--|--------------------------|--------------------------|-----------------------|---------------------|-------------------|---------------|------------------------|------------------------|---------------------------------|-------------|
|  | lbs./day<br>(grams/hour) | % weight                 | psig (bar)            | scfh<br>(lpm)       | watts             | scfm (lpm)    | inches (mm)            | inches (mm)            | inches (mm)                     | lbs<br>(kg) |
| L11/<br>R-LAB111 (115V)<br>R-LAB112 (230V) | 0.6<br>(12)              | 8%                       | 12 (0.8)              | 7-10<br>(3.3-4.7)   | 230               | 240<br>(6796) | 1/4" fnpt<br>(6.35 mm) | 1/4" fnpt<br>(6.35 mm) | 8.2x21.0x18.3<br>(208x533x465)  | 42<br>(19)  |
| L21/<br>R-LAB211 (115V)<br>R-LAB212 (230V) | 1.0<br>(18)              | 8%                       | 12 (0.8)              | 7-10<br>(3.3-4.7)   | 335               | 240<br>(6796) | 1/4" fnpt<br>(6.35 mm) | 1/4" fnpt<br>(6.35 mm) | 8.2x21.0x18.3<br>(208x533x465)  | 46<br>(21)  |
| L22/<br>R-LAB221 (115V)<br>R-LAB222 (230V) | 1.6<br>(30)              | 8%                       | 12 (0.8)              | 7-20<br>(3.3-9.4)   | 370               | 240<br>(6796) | 1/4" fnpt<br>(6.35 mm) | 1/4" fnpt<br>(6.35 mm) | 8.2x21.0x18.3<br>(208x533x465)  | 50<br>(23)  |
| L23/<br>R-LAB231 (115V)<br>R-LAB232 (230V) | 2.4<br>(45)              | 8%                       | 12 (0.8)              | 10-30<br>(4.7-14)   | 440               | 240<br>(6796) | 1/4" fnpt<br>(6.35 mm) | 1/4" fnpt<br>(6.35 mm) | 13.5x21.0x18.3<br>(343x533x465) | 55<br>(25)  |
| L24/<br>R-LAB242 (230V)                    | 3.2<br>(60)              | 8%                       | 12 (0.8)              | 10-40<br>(4.7-19)   | 530               | 240<br>(6796) | 1/4" fnpt<br>(6.35 mm) | 1/4" fnpt<br>(6.35 mm) | 13.5x21.0x18.3<br>(343x533x465) | 60<br>(27)  |

## Operational Requirements

| Model/<br>Part Number                      | Feed Gas Flow | Electrical Requirement                         |
|--|---------------|--|
|  | scfh (lpm)    | volts, Hz                                      |
| L11/<br>R-LAB111 (115V)<br>R-LAB112 (230V) | 10 (4.7)      | 115V 60Hz or 230V 50/60Hz, 1 phase 15A Circuit |
| L21/<br>R-LAB211 (115V)<br>R-LAB212 (230V) | 10 (4.7)      | 115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit  |
| L22/<br>R-LAB221 (115V)<br>R-LAB222 (230V) | 20 (9.4)      | 115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit  |
| L23/<br>R-LAB231 (115V)<br>R-LAB232 (230V) | 30 (14)       | 115V 60Hz or 230V 50/60Hz 1 phase 15A Circuit  |
| L24/<br>R-LAB242 (230V)                    | 40 (19)       | 230V 50/60Hz 1 phase 15A Circuit               |



6160 Egret Court  
Benicia, California 94510  
p: (707) 747.9600  
f: (707) 747.9202  
[www.pacificozone.com](http://www.pacificozone.com)